Patent Number Title

Patent Assignee Inventor Name Publication Date Abstract EP-805463-A1

High thermal conductivity composite useful as heat sink
- comprises highly oriented graphite flakes in a

polymeric binder

ADVANCED CERAMICS CORP MARINER, JT; SAYIR, H

11/05/97

A composite composition comprises particles of highly oriented graphite in the form of flakes having an hexagonal crystal orientation and an aspect ratio of at least 5:1 and a binder which, when polymerised under compression, forms a solid with high thermal conductivity and low density. USE - The composition is suitable for use as a heat sink in high power electronic assemblies and component sor in individual integrated circuits. ADVANTAGE - The ratio of thermal conductivity to mass density for a composite formed in accordance with the present invention is much higher than for copper or aluminium. Dwg.0/4